Manufacturer: GEOPROTEK TECHNOLONY INC.

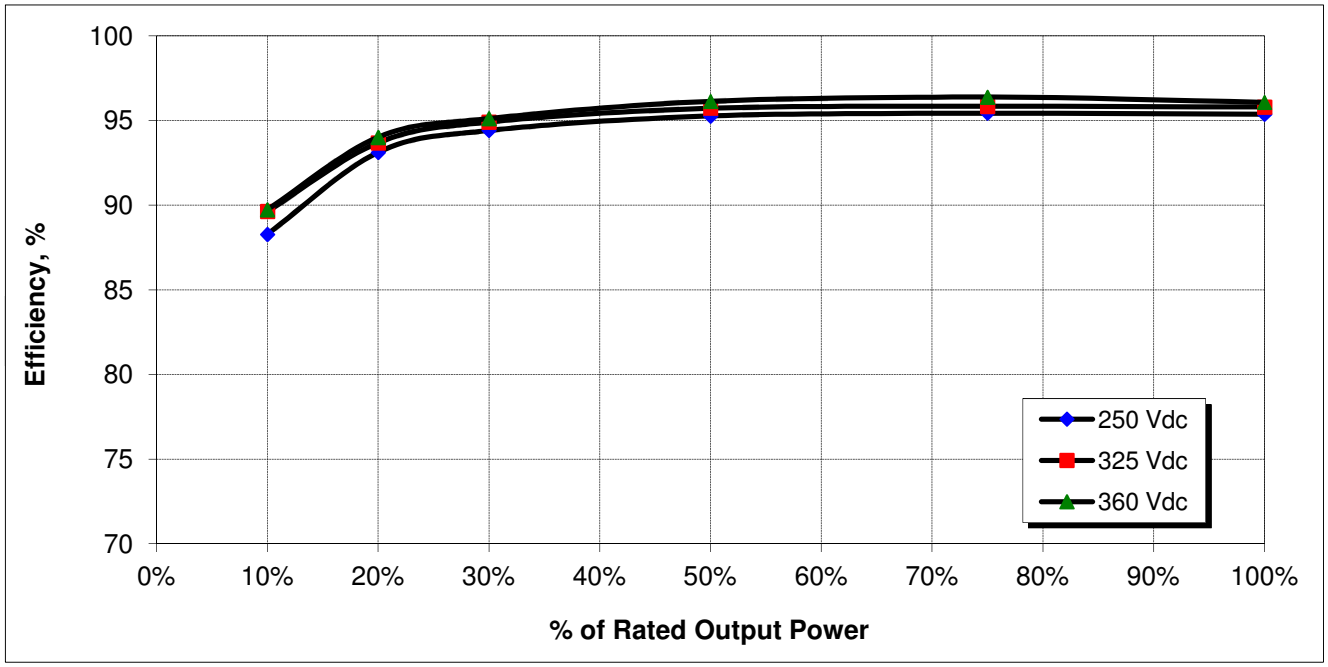
Model #: GS-2000 (208Vac)

Rated Maximum Continuous Output Power: 2.06 kW Night Tare Loss: 0.29 W

Vmin: 250 Vdc Vnom: 325 Vdc Vmax: 360 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.21	0.41	0.62	1.03	1.55	2.06	Wtd
Vmin	250	88.3	93.1	94.4	95.3	95.4	95.4	94.9
Vnom	325	89.6	93.7	94.9	95.7	95.8	95.8	95.3
Vmax	360	89.7	94.0	95.1	96.1	96.4	96.1	95.8

CEC Efficiency = 95.5%



Minimum of 5 samples required

Inverter Efficiency Data

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	0.1957	222.9	88.68	0.194	224.83	88.34	0.196	222.43	88.34	0.196	222.73	88.29	0.195	222.09	87.74
20%	Vmin	0.4482	230.09	93.28	0.447	229.39	93.00	0.448	229.67	93.03	0.447	230.04	92.94	0.448	229.9	93.32
30%	Vmin	0.6664	232.71	94.36	0.667	232.65	94.32	0.666	233.28	94.58	0.666	233.4	94.37	0.666	233.86	94.42
50%	Vmin	1.1427	239.49	95.28	1.143	239.64	95.29	1.14	239.93	95.22	1.142	240.1	95.33	1.143	239.2	95.23
75%	Vmin	1.4515	241.51	95.36	1.452	241.61	95.49	1.452	241.92	95.48	1.451	241.81	95.39	1.453	241.62	95.42
100%	Vmin	1.9777	244.79	95.40	1.979	244.08	95.30	1.978	244.63	95.35	1.979	244.63	95.40	1.979	244.65	95.40
10%	Vnom	0.1982	284.08	89.95	0.198	282.5	89.22	0.199	281.51	89.86	0.198	281.98	89.30	0.198	282.22	89.80
20%	Vnom	0.4475	290.39	93.66	0.446	291.46	93.46	0.448	291.44	93.67	0.448	292.19	93.76	0.449	292.42	93.88
30%	Vnom	0.6705	297.42	94.94	0.67	297.86	94.90	0.67	296.93	94.86	0.67	297.19	94.88	0.671	297.54	94.98
50%	Vnom	1.1504	306.56	95.73	1.151	305.75	95.73	1.15	306.9	95.67	1.151	306.86	95.77	1.151	306.5	95.74
75%	Vnom	1.4661	309.2	95.89	1.467	309.63	95.89	1.467	309	95.78	1.467	309.83	95.75	1.469	309.35	95.88
100%	Vnom	1.9889	315.22	95.77	1.989	315.18	95.79	1.989	315.31	95.75	1.989	315.55	95.84	1.991	315.01	95.85
10%	Vmax	0.1979	309.64	89.74	0.198	308.04	90.06	0.198	309.36	89.72	0.198	309.05	89.58	0.198	308.79	89.57
20%	Vmax	0.4521	317.41	94.12	0.452	318.67	93.94	0.452	318.48	94.05	0.452	316.99	94.08	0.451	318.93	93.84
30%	Vmax	0.6717	325.45	95.06	0.672	325.64	95.06	0.674	326.15	95.23	0.674	326.16	95.20	0.673	325.78	95.00
50%	Vmax	1.1525	335.44	96.03	1.154	337.27	96.17	1.154	336.78	96.08	1.154	337.28	96.09	1.156	338.02	96.27
75%	Vmax	1.4708	341.05	96.42	1.474	340.36	96.37	1.474	340.5	96.34	1.474	341.89	96.50	1.474	341.39	96.26
100%	Vmax	1.9724	348.66	95.96	1.987	349.07	96.12	1.988	347.05	96.02	1.991	349.28	96.28	1.984	348.44	95.98

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															